

We claim:

1. The use of an amorphous polyester which comprises as repeating units in condensed form

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a) at least one aromatic dicarboxylic acid,

b) at least one aliphatic dicarboxylic acid and

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c) at least one aliphatic diol which has at least one branching point, a saturated cyclic partial structure and/or at least one ether group

as polymer base for gum bases.

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2. The use as claimed in claim 1, wherein the molar ratio of a) to b) is from 1:4 to 2:1.

3. The use as claimed in either one of the preceding claims, wherein the glass transition temperature T_g of the polyester is from 0 to -60°C .

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4. The use as claimed in any one of the preceding claims, wherein the aromatic dicarboxylic acid is selected from terephthalic acid, isophthalic acid and phthalic acid.

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5. The use as claimed in any one of the preceding claims, wherein the aliphatic dicarboxylic acid is selected from C_4 - C_{12} dicarboxylic acids.

6. The use as claimed in claim 5, wherein the aliphatic C_4 - C_{12} dicarboxylic acid is selected from succinic acid, glutaric acid, adipic acid, pimelic acid, azelaic acid and sebacic acid.

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7. The use as claimed in any one of the preceding claims, wherein the aliphatic diol is selected from 2,2-dimethylpropane-1,3-diol, diethylene glycol, triethylene glycol, tetraethylene glycol, pentaethylene glycol, hexaethylene glycol and cyclohexanedimethanol.

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8. The use as claimed in any one of the preceding claims, wherein the polyester additionally contains, as repeating unit, in condensed form,

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d) at least one compound having at least three groups capable of ester formation.

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9. The use as claimed in claim 8, wherein the compound having at least three groups capable of ester formation is selected from tartaric acid, citric acid, malic

acid, trimethylolpropane, trimethylolethane, pentaerythritol, polyethertriols, glycerol, trimesic acid, trimellitic acid, pyromellitic acid and hydroxyisophthalic acid.

- 5 10. The use as claimed in either one of claims 8 and 9, wherein the polyester contains the component d) in condensed form in an amount of from 0.1 to 5% by weight, based on the total weight of the polyester-forming components.

10 A gum base comprising at least one polyester as defined in the preceding claims and at least one further additive.

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